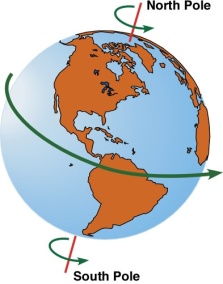
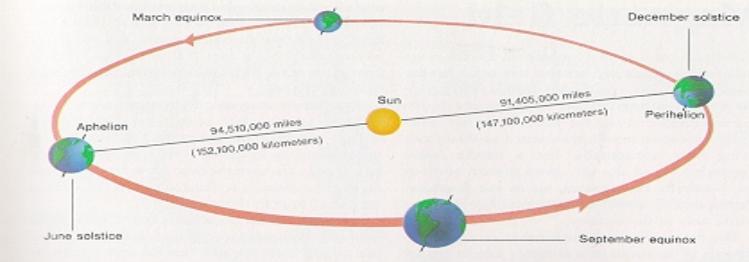
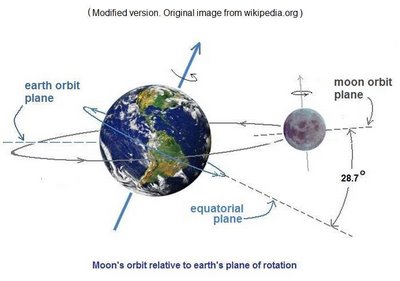
**Grade 9 Space Science: Earth, Moon, Sun**

**Rotation:** The Earth rotates around its **axis**, changing what side is facing the Sun. One rotation = One day.

**Revolution:** The Earth revolves around the Sun, in an almost-circular path, called an **orbit**. One revolution = One year.



As well,The Moon revolves around the Earth, in a circular orbit. One revolution = One month.



**Tilt:** The Earth’s axis is tilted, by 23.5°. This means that depending on the position relative to the Sun, different parts of the Earth receive different amounts of light. This is responsible for the changing seasons.

**Questions:**

1. The actual revolution period around the sun is closer to 365.25 days, but a year is 365 days. What do we do to account for the extra 0.25 days?
2. Explain, in your own words, the following observations:
   1. The North Pole has a brief period in the summer where it becomes the “land of the midnight sun” and the sun never sets.
   2. The region around the equator is always warm
   3. Australia has winter when we have summer and summer when we have winter
3. Draw a diagram showing the Earth, Moon, and Sun during a solar eclipse.